

attaches to the deprotected nucleoside, nucleotide or amino acid to produce a protected nucleic acid or polypeptide in the fraction of the localized area; and

(d) repeating (b) and (c) at least once wherein the fraction in step (b) is a fraction of a fraction in a previous deprotecting step (b) to produce an array of different nucleic acids or polypeptides occupying different fractions at known locations within the localized area.

618. The method of claim 17, wherein the protected nucleoside, nucleotide or amino acid is protected with a photosensitive protecting group, and the deprotecting is performed by exposing the protected compound to light, and the localized area is less than  $0.01 \text{ cm}^2$ .

19. The method of claim 18, wherein the localized area is less than  $0.001 \text{ cm}^2$ .

24. The method of claim 12, wherein the localized area in step (a) is less than  $0.01 \text{ cm}^2$ .

REMARKS

The paragraph numbering of the office action is used in responding to the Examiner's remarks.

3. Claims 20-23, subject to restriction, have been cancelled.

8. Claims 12 and 17 have been amended to provide antecedent basis as suggested.

These and other claims have also been amended to recite nucleosides as an alternative to nucleotides (see, e.g., p. 97, last paragraph for support).

OTHER MATTERS

A terminal disclaimer has previously been provided with respect to US 5,744,305 and US 5,445,934. In an abundance of caution applicants now provide a supplemental terminal disclaimer over the following related commonly owned related patents: US 6,261,776, US 6,225,625, US 5,510,270, US 5,424,186, US 5,405,783 and US 5,143,854.